# S E R V I C E N O T E

SUPERSEDES: None

## 8920B RF Communications Test Set

**Serial Numbers:** US35180400 / US35320800

**Defective Controller assembly causes power-up failures and intermittent lock-up**

**To Be Performed By:** Agilent-Qualified Personnel or Customer

**Parts Required:**

| Part No. | Description |
|---|---|
| 08920-61872 | Controller assembly replacement kit |

*Continued*

DATE: June 1996

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

**MODIFICATION RECOMMENDED**

| | | | |
|---|---|---|---|
| ACTION CATEGORY: | ☐ IMMEDIATELY<br>■ ON SPECIFIED FAILURE<br>☐ AGREEABLE TIME | STANDARDS: Labor Hour | |
| LOCATION CATEGORY: | ■ CUSTOMER INSTALLABLE<br>☐ ON-SITE<br>■ SERVICE CENTER | SERVICE INVENTORY: ☐ RETURN ■ SCRAP ☐ SEE TEXT | USED PARTS: ☐ RETURN ■ SCRAP ☐ SEE TEXT |
| AVAILABILITY: PRODUCT'S SUPPORT LIFE | | AGILENT RESPONSIBLE UNTIL: June 2001 | |
| AUTHOR: LHL | ENTITY: 1000 | ADDITIONAL INFORMATION: | |



Agilent Technologies

**Situation:**
A problem has been noted with the Controller assembly (A7) which can cause the test set to power-up incorrectly or lock-up intermittently during normal operation. The problem has been identified as solder joint failure between the socket for U19 and the printed circuit board. U19 is a programmable logic device used as an interface timing controller between the main processor and other circuitry. It is not possible to replace the socket on the original assembly.

**Solution/Action:**
Replace the original Controller assembly with a Controller assembly replacement kit. The replacement Controller assembly does not use a socket for U19. Re-calibration of the test set is not required.

**Note:**
The original Controller assembly contained an EEPROM (U21) which stores factory-generated calibration data. When the original assembly is replaced, this EEPROM must be physically transferred to the replacement assembly. Also, set the switches (S1) on the replacement assembly to match the settings of the original assembly.